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ADA 087464

DR 1133 FEBRUARY 1980

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METEOROLOGICAL DATA REPORT

19703A MLRS
Missile Numbers, 32, 30, 29
Round Numbers, B-90, B-91, B-92
13 February 1980

by

White Sands Meteorological Team

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ATMOSPHERIC SCIENCES LABORATORY WHITE SANDS MISSILE RANGE, NEW MEXICO

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UNITED STATES ARMY ELECTRONICS COMMAND

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1	1. REPORT NUMBER 2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
	DR 1133 AD-A087464	
	19703A MLRS, Missile Numbers 32, 36, 29, Round Number B-90, B-91, B-92,	rological data re
	13 February 1980.	S. CONTRACT OR GRANT NUMBER(s)
	White Sands Meteorological Team	BA Task 1F6657g/2D127/02
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	Meteorological data gathered for the launching of Numbers 32, 30, 29, Round Number, B-90, B-91 and B form.	the 19703A MLRS, Missile -92 are presented in tabular

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19703A MLRS, Missile Numbers_	32, 30, 29	, Round Humbers B-90, B-91
		White Sands Missile Cange (WSMR),
New Mexico, at 0817:52, 0918	:01, 1023:07 MST, 1	l3 February 1980.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White sands Missile Range, New Mexico. The data were obtained by the following methods:

- 1. Observations
 - a. Surface
- (1) Standard surface observations to include pressure, temperature (^oF), relative humidity, dew point (^oF), wind direction and speed, and cloud cover were made at the <u>"C" Station</u> Met Site.
- (2) Monitor of wind speed and direction from one anemometer was provided in the launch control room.
 - b. Upper Air
- (1) Low level wind data were obtained from RAPTS T-9 pibal observation at:

LC-39 2 Km NICK 2 Km

(2) Air structure data (rawinsonde) were collected at the following Met Sites.

STIE AND	IIML	
LC-37	0800	MST
WSD	0900	MST
LC-37	1000	MST

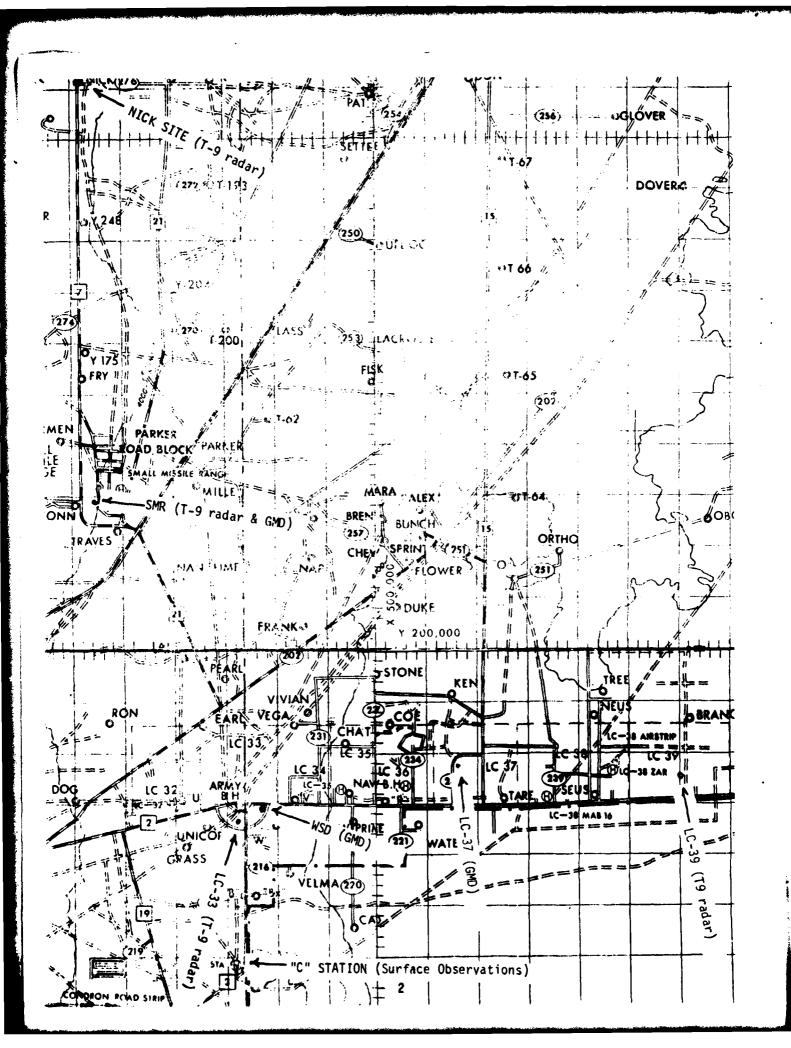


TABLE 1 SURFACE OBSERVATIONS OBTAINED FROM "C" STATION 6: 13 February 1980

TIME		teyt is	WEAT RESERVED.			1.1
MST	SKY CONDITIONS	Y liv	10 VI 100	; : ···.		. R SPEED
0058	120SCT250SCT	20		25.950	24 29	160 10
0158	120SCTE250BKN	20		25.950	32 27	E100 06
025 8	120SCT250SCT	20		25.950	34 29	010 05
0358	120SCT250SCT	20		25.930	32 27	E130 07
0458	120SCT250SCT	20		25.940	30 26	E100 03
0558	120SCTE2508KN	20		25.940	31, 25	010 . 03
0658	60SCT120SCTE250BKN	30		25.960	32 24	020 03
0758	E60BKN120BKN250BKN	50		25.990	34 30	340 03
0858	E60BKN1203KM	50		25.995	41 33	090 04
0958	60SCTE120"KN250BKN	50		26.005	49 34	340 03
1058	120SCT250SCT	50		25.990	5537	360 05
1158	65SCT120SCT250SCT	50		25.960	60 38	150 04
1258	65SCT120SCTE250BKN	50		25.935	60 37	270 04
1358	65SCT120SCTE250BKN	50	<u> </u>	25.900	65 38	210 08
1458	65SCTE120BKN250BKN	50		25.885	66 35	210 08
1558	65SCTE120BKN250BKN	50		25,880	65 37	210 . 08
1658	65SCTE120BKN250BKN	50		25.880	62 36	200 08
1758	E120BKN250BKN	30	· · · · · · · · · · · · · · · · · · ·	25.890	57 38	150 07
1858	E120BKN250BKN	20		25.905	56 37	160 06
1958_	E1200VC	20	1	25.920	55 42	340 04
2058	E1200VC	20	L-	25.935	53 44	110 05
2158	E1200VC	20	<u> </u>	25.935	51 44	E120 05
2258	E1200VC	20		25.925	53 43	E120 05
2358	E600VC	20	RW-	25.925	52 45	150 08

TABLE	2								
RELEAS'ED	FROML	C-39		DATE	13	Februar,	y 198 <u>0</u>	_TIME 08]	0 MST
TRACKER	c00	RDINATE	S (W	-x (14T2	530,938,82	 	186,564.96	<u> 40</u>	63.75
NOTE: WI	IND DIRECTI	ONS ARE	RE F	ERENCED T	O TRUE NORT	ГН			
HEIGHTS /	ARE METERS	ΛGL <u>X</u>	OR	FEET AGL_	·				
HEIGHT AGL	DIRECTION DEGREES	SPEED KTS	!	HELGHT AGL	DIRECTION DEGREES	SPLID	HEIGHT	DIRECTION DEGREES	
SFC		CALM		, ride	DEGREE 5	K-V2	, Auc	1.6.000	+\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
90	MISG	MISG							
150	MISG	MISG			 				+
210	199	05			 				
270	186	03				•			
330	207	01				* * · * · · · · · · · · · · · · · · · ·			
390	214	03			!			* * * * * * * * * * * * * * * * * * *	
500	245	04							
650	228	05				!			
800	239	05							
950	255	08							
1150	254	_11			 				<u> </u>
1350	261	15							
1550	257	17							
1750	262	21		, 	i i				
2000	259	22	,	L					
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TABLE	3								
RELEASED	FROM	LC-39		DATE	13	February	1980	TIME	0910 MST
TRACKER	C	OORDINATE	s (Ws	TM) X=	530,938.82	γ	186,564.96	Н	4063.75
NOTE: W	IND DIREC	TIONS ARE	RE FE	RENCED T	บ TRUE NOR	ТН			
HEIGHTS	ARE METER	S AGL <u>X</u>	•						
HEIGHT AGL	DIRECTIO DEGREES	N SPEED KTS		HEIGHT AGL	DIRECTION DEGREES	SPLID KTS	HEIGHT AGL	DIRECTIO DEGREES	N SPEED KTS
SFC		CALM							
90	111	02							
150	228	01							
210	338	02							
270	340	03							
330	347	02				: 			<u> </u>
390	338	01							
500	093	02			<u> </u>				
650	183	02						*************************	
800	241	05				<u> </u>			
950	262	07							
1150	267	16				<u> </u>			
1350	267	20							
1550	264	24				1			
1750	264	27							
2000	266	28				1			
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TABLE	4								
RELEASED	FROM	NICK		DATE	13	3 Februa	ry 1980	TIME 093	O MST
TRACKER	000	ORDINATES	S (WST	M) X=	470,734.56	5 <u></u>	255,755.64	4 41	26.57
NOTE: W	IND DIRECTI	ONS ARE	REFER	ENCED T	O TRUE NORTE	4			
HEIGHTS /	ARE METERS	AGL_X		-					
	DIRECTION DEGREES	SPEED KTS	TH.	FIGIT GL	DIRECTION DEGREES	SPELD F15	HETGHT AGL	DERECTION DEGREES	SPEED KTS
SFC		CALM]
90	245	01						1	ļ
150	090	05				; 4 . <u>-</u> 4			
210	030	01				.	 		<u> </u>
270	320	02				: 1	 		
330	150	02						<u> </u>	
390	070	04	-		! !				
500	080	04			,				<u> </u>
650	030	02							
800	245	06							
950	255	12				·			
1150	255	18							
1350	260	26							
1550	260	31				1			
1750	260	32							
2000	260	31							
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TABLE								_	
RELEASED	FROM	LC-39		DATE	13 Febr	uary 1980	! • • • • • • • • • • • • • • • • • • •	TIME 1	020 MS1
TRACKER	coc	KDINATE	S (W	STM) yr	530,938.82	. (186,564.96	· · · · · · · · · 4	063.75
NOTE: W	IND DIRECTI	ONS ARE	REF	ERENCED T	TRUE NORTH	•			
HEIGHTS A	ARE METERS	AGL X	OR	FEET AGL					
HEIGHT AGL	DIRECTION DEGREES	SPEED KTS			DIRECTION DEGREES			DITA UNION DEGREES	SPEED KTS
SFC		CALM						•••	
90	•	MISG						.	
150	201	04				•			
210	203	: 04	Ė						
270	183	02							1
330	133	02							
390	133	04							
500	174	04							
650	193	04							
800	222	05						and an array of the same	
950	240	04							
1150	258	09							
1350	250	13							
1550	253	19							
1750	256	22						distant Tallians	
2000	259	23							
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The state of the s	STATION ALITIODE 4047.27 FEET MSL 13 FEB. 80 UBUN HKS MSI ASCENSION NO. /
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""" SIGNIFICANT LEVEL DATA O440180007 LC=37

JEODETIC COORDINALES 32.41141 LAF DEG 106.30852 LON DEG

TABLE 6

ALTITUPE MILLIBAMS MSL FEET (8/7.8 4047.3 864.8 4047.3 864.8 4047.3 744.2 8474.4 700.0 10077.3 692.8 10340.3 673.2 11097.9 663.2 11477.3 644.0 12232.7 597.8 14130.3 588.8 14513.2 580.0 14590.9	117UNE . FEET .7.3 .3.4 .6.8	AIR DEGREES	DEWPOINT CENTIGRADE	PERCENT
MSL FEET 4047.3 4443.4 4016.8 6659.2 8474.4 10047.3 11090.9 114130.3 14130.3 14180.9 15281.4 18562.7	. FEET (3.4)	S	CENT LORADL	
4047.3 44443.4 4016.8 6639.2 8474.4 11097.3 11477.3 11477.3 11477.3 11477.5 1477.7 1458.7 1456.7	V 3 6 6 5	-		
4443.4 6639.2 6639.2 10047.4 11034.0 11477.9 11477.9 14730.3 147313.2 14569.4	\$ 60 00 5 \$ 60 00 5 \$ 60 00 5	•	-1.8	71.0
4015.8 6639.2 8474.4 10074.3 11092.3 11477.5 12232.7 14150.3 1450.9 1550.4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	3.6	7.	9.69
6639.2 8474.4 10077.3 11092.9 11477.5 12232.7 1415130.3 14590.9 15581.4	7.6	8.0	-1.0	50.0
8 10077.3 11097.3 2 11097.3 2 11477.5 0 12232.7 1 1450.3 1 1450.9 0 15281.4	**	6. 5	78.7	0.09
0 10077.3 8 10340.3 2 11090.9 2 11477.5 0 12232.7 0 14513.2 0 15281.4 0 15581.4		7.5	1	96•0
8 10340.3 2 11090.9 2 11477.5 0 12232.7 0 1232.7 8 14130.3 0 14513.2 0 15281.4 0 18562.7	7.3	•	2.6-	0.66
2 11090.9 2 11477.5 0 12232.7 6 14130.3 8 14513.2 0 15281.4 0 15581.4	-	-3.6	-2.7	0.66
2 11477.5 0 12232.7 0 1232.7 8 14130.3 8 14513.2 0 15281.4 0 15581.4	•	L+.7	-1.0	0°0°
0 12232.7 8 14130.3 8 14513.2 0 14690.9 0 15281.4 0 18562.7	7.5	-5.9	-7.5	0.05
8 14130.3 8 14513.2 0 14690.9 0 15281.4 0 18562.7	_	4.7-	٠/-	0.66
8 14513.2 0 14890.9 0 15281.4 0 18562.7		-111.3	-10.4	0.66
n 14690.9 0 15281.4 n 18562.7 2 19146.9	-	-12.4	-10.7	70.0
.0 15281.4 .0 18562.7 .2 19146.9	6.0	-13.3	-26.4	32.0
.0 18562.7 .2 19146.9	11.4	-14.6	-33.0	18.0
·2 19146.9	7.0	-18.6	34.0	23.0
	6.9	-19.9	-30.1	22.U
19935.7	1007	-21.6	-30.1	46.0
.4 21907.7	7.7	'n	-34.7	52.0
23912.2	2.5	-30.0	4.45-	37.11
28776.1	6.1	-41.6	0.84-	45.11
3043.3.1	1.0.1	-45.7		
3375n.9	6.0	-54.3		
34340	9.5	-55.1		
35435.	0.0	-55.9		
200.0 39053.4	3.4	-52.9		
188.8 40279.0	0.6,	-52.7		
150.0 45130.7	10.1	-56.7		

SIATION ALTITUDE 4047.27 FEET MSL 13 FEB. 60 UBUN HRS MSI ASCENSION NO. /

. UPPER AIN LATA: 0440180807 LC-37

UEODETIC COORDINALES 32.41141 LAT DEG 106.30852 LON DEG

GEUME IMIC	PRESSURE	TEM	TEMPEKA TURE	REL.HUM.	TABLE 7 DENSITY	SPEED OF	WIND DATA	¥ E	INDEX
ALIITUUL MSL FEEI	MILLIUAMS UE	AIR UEGREES	UEMPOI-1T CENTIGRADE	PERCENT	GM/CUBIC METER	SOUND KNUTS	DIRECTIO,, DEGREES(11,)	SPEED KI10TS	OF REFRACTION
4047.3	877.8	2.9	-1.8	71.0	1105.2	644.0	•	•	1.000273
4500.0	863.2	9•4	•	58.0	1065.2	654.6	9.9€2	1.2	1.000208
50000	4.7.4	7.9		50.5	1048.0	653	256.0	2.5	•
5500.0	831.8	7.0	-1.9	53.4	1032.0	6550	256•0	3.9	1.000256
6000.0	dlo.5	1.9	-2.0	56.3	•	651.8	256.6	2.5	500U•
6500.0	C.100	5.2	-2.1	59.5	1000	050.7	2.462	5.9	1.000249
7000.n	780.6	3.9	-1.6	67.1	946 • 6	649.3	252.6	9•9	1.000247
7500.0	0.77	2.5	-1.1	76.9	6.2/6	647.7	255.8	ė.	1.000245
0.000R	15/00	1.1	6.	86.7	•	640.1	529·9	12.5	1.000243
0.0058	743.5	•••		96.0	946.3	644.5	250.4	•	1.000240
90006	129.4	-1.5	-1.7	97.0	_	645.5	257.7	19.7	1.000735
9500.0	115.6	-2.3	-2.6	97.9	_	642.0	35/46	ċ	1.000231
0.0000	102.1	-3.5	-3.5	98.9	•	640.7	257.7	•	1.000220
10500.0	1.889	-3.8	-4.5	95.1	•	640.1	1.993	24.9	1.000221
1000.0	072.0	9.4-	•	82.3	8/4.5		4.pc2	25.5	1.000214
11500.0	0 62.0	-5.4	-7.3	90.3	862.1		250.b	25.4	1.000211
12000.0	べった ちゅう	O1	4-7-	2.96	640.7		204.0	25.6	1.000208
1.00CZI	20.750	0.1	6.71	0.66	0.00		7.407	\$. F	#02000*T
13000.0	654.9	20 (-8-1	0.66	821.2	6.459	255.7	27.7	1.000200
13500.0	9.710	6	-9.5	0.66	807.7	633.3	25/e8	27.1	1.000196
1400.0	600°	0	-10.2	0.66	794.3	034.4	202.1	26.0	1.000152
14580.0	1.680	-12.3	-16.5	71.0	786.0	6:9.5	201.5	26.3	1.000164
15000.0	577.5	~	-24°-2	28.1	775.0		2/3.4	56.1	•
15500.0	966 · U	-	-33.6	18.3	763.2		2/0.0	26.2	•
16040.0	254 · C	-15.5	-33.7	19.1	749.7		5.4.4	26.3	1.0001 ₆ 9
10500.0	24.5.5	_	53.	19.9	756.4	6-4-7	2/1.5	26.5	1.00016.6
17000.0	532.6	-16.7	34.	50.6	723.4		50007	26.9	1.000163
17500.0	522.0	-17.3	-34.1	21.4	710.6			27.5	1.000100
18000.0	211.5	-17.9	-34.3	22.1	0•869 0•8	6,2,5		28.5	1.000157
18500.0	50100	-18.5	-34.5	55.9	685.6			28.A	1.000155
19000.0	491.1	-19.6	-35.7	ċ	9.119			28.9	1.000152
19500.0	481.2	-20.7	-32.7	32.7	663.7	619	247.0	29.3	1.000150
20000	471.4	-21./	-30.2	46.2	6+769	210	2+4+2	30.5	1.000148
20500.0	461.1	-22·B	-30.8		642.5		243.0	31.3	1.000146
21000.0	*25.K	-23.9	-31.5	•	631.6	619	243•B	33.3	1.000143
21500.0	442.8	-54.9	-52.1	•	621.3	6,5,9	244.0	35.3	1.000141
22000.0	455.1	-26.0	-53.0	51.3	611.1	012.0	241.5	35.8	1.000138
22500.0	454.0	-27.0	•		6.009		250.4	36.4	1.000136
23000.0	-	-28.1	-36.5	•	590.6	6.4.9	251.3	•	1.000133
3500.0	*0/0	-29.1	-38.4	40.1	541.0	0.000	252.3	32.0	1.000151

3			
	STATEON ALTITUDE 4047.27 PEET MSL	USU HAS MSI	•
	STATION ALTITUDE	15 Feb. 80	ASCENSION NO.

UPPER AIK DATA 0440180007 LC-37

GEODETIC COORDINALES 32.41141 LAT DEG 106.30852 LON LEG

TABLE 7 (CONT)

PRESSURE	# TE	TEMPERATURE	REL.HUM.	DENSILY	SPERIO OF	WIND DATA	IA	INDEX
HILLIBAKS	A I DEGR	UEWPOINT CENTIGRADE		ر	SOUND	DIRECTION DEGREES(14)	SPEEU KNOTS	OF REFHACTION
C-850	23057	-40.1	17.1	571.1	507.3	2500.5	31.3	# : [000 c
7 000	1717		48.0	7,144	4 4 4	24.44	•	
381 · 4	120.6		A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	100 100 100 100 100 100 100 100 100 100	000	240.0	20.00	1.000124
373.2	-35.B	-42.7	39.6	243.0	6002	242-1	33.66	1.0001.2
365.1	-35.0	4.30	505	534.0	6.11.3	244.6	34.1	1.000120
357.2	-36.2	5.44-	41.3	525.1	50.67	244.0	34.8	1.000118
349.5	-37.4	-45.5	42.1	510.3	546.5	244.5	35.5	1.000116
7.140	-38.5	146.4	42.9	507.7	5.00.7	244.0	36.2	
334.6	-39.7	5°24-	43.7	499.3	5,55	243.3	36.3	1.000112
32/.3	7.03-	-48.3	44.5	491.0		242.4	35.9	1.000110
320.1	-42.2	-50.5	38.9**	4H2+8		241.2	34.8	1.000108
313.0	4.54	-55.2	25.4++	4/4-5	590.5	239.7	32.6	1.000106
306.0	9.44-	-62.2	11.9**	460.4	5.69.9	231.8	30.5	1.000104
299.1	-45.9			450.5	567.3	25400	29.8	1.000102
69509	7.7.			450.5	5,55.7	251.5	29.5	1.000100
285.6	-4B.5			L.244	504.0	527.9	30+3	1.000099
279.0	8.64-			435.1		224.6	31.7	1.000001
272.0	-51.1			427.0		2<3.5	32.4	1.000035
266.3	-52.4			420.5		222.1	32.9	1.000004
260.2	-53.6			413.0	511.2	223+3	32.8	1.000092
254.2	-54.6			405.2	575.9	5<0.9	32.1	1.000090
7.867	-55.2			346.8	575.1	231.2	32.2	1.00000
h•2h2	-55.6			383.1	574.0	237.0	34.4	1.0000ts
730-1	-55.6			3/9•4	574.3	541.5	36.9	1.000065
231.1	-55.4			369.6	574.8	244·P	41.2	1.000042
225.1	-55.0			360.5	575.4	246.7	45.9	1.000000
#*027	-54.6			351.4		248.5	50.7	1.000078
415.3	-54.2			342.5		. 250.3	55.7	1.000076
210.2	-53.B			335.8		251.9	60.7	1.000074
202.3	-53.4			325.4		255.3	ر 94 • ک	1.000072
200.5	-52.9			317.2		7.457	6.99	1.000071
9.56T	•			309.7		255.9	9•69	1.00000
191.3	-52.1			302.4	578.4	250.7	70.6	1.00006.7
180.8	•			242.5		257.6	71.6	1.000066
182.5	-53.3			283.1		2-8c2	73.0	1.00006.4
799.5	-53.7			282·9	577.1	258.0	75.6	1.00000
174.0	•			2/0.8	570.6	25/09	78.2	1.0000.2
rene	-54.5			2/0.6	570.0	25/15	A0.1	1.00960.3
•	•			5-192	5/5.5	257.0	81.6	1.000059
16201	-55.4			259.5	574.9			1.0000%

** AT LEAS! ONE ASSUMED RELATIVE HUMIDITY VALUE BAS USED IN THE INTERPOLATION.

STATION AL 15 FLB+ BC ASCENSION	STATION ALTITUDE 4047.27 PEET MSL 13 Feb. 80	47.27 FEI VBVQ MRS	FT MSL MST	-	JPPER AIN DATA 0440130007 LC-57 TABLE 7 (CONT)	UATA II7 CONT)		5200ET	JEUDETTC COOKDINATES 32-41141 LAI DEG 100-30852 LON DEG
GEUNE INIC ALIITUDE MSC FEE!	PRESSURE	TEM AIK DEGREES	GEUMETHIC PRESSUME TEMPERATURE ALLITUDE AIR DEWOTHT PASS FEEL MILLIHAMS DEGREES CENTIGRANE	REL.HUM. PERCENT	DENSITY GM/CUBIC MFTFR	SPEED OF SOUND KN. TO	REL-NUM. DENSITY SPEED OF WIND DATA PERCENT GM/CUBIC SOUND DIRECTION SPEED METER KN.TC DEGREESTEN KNOTS	ATA SPEED KROTS	INUEX OF OF
##000.0 ##500.0	158.3 154.6 150.9	-55.8 -56.2 -56.5			253.6 248.1 242.8	253.6 574.4 248.1 573.8 242.8 573.3			1.000056 1.000055 1.000054

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STATION ALTITUDE *047.27 PEET MSL	•
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MANDATORY LEVELS	0440166607	LC-37	

TABLE 8

GEOULTIC COORDINATES 32.41141 LAT FEG 106.30852 LOM FEG

PHESSURE	GEUPOTENTIAL		1EWERA I IRE	REL . I JUM .	WIND DATA	A LA
		AIR	DEMPOINT	PERCENT	DIRE	SPEER
MILLIBAKS	FEET	DEGHLES	DEGREES CENIIGRADE) 	DEGREES (TN)	KNOTS
650.0		8.0	-1.8	.00		2.3
800.0		2.5	-2.2	.64		0.0
750.0		*	ť -	92.		14.3
700.0	10067.	-3.5	-3.6	•66	257.8	9.4.7
650.0		-6.9	-7.4	90		25.6
0.009	_	-10.2	-10.3	.65	-	20.6
550.0	•	-15.7	-33.c	19.		20.4
500.0		-18.6	-34.5	.5.		24.8
450-0	•	-24.1	-31.6	50.		33.8
400+		-30.0	-39.9	.7.5		31.4
350.0		-37.3	45.4	42.		35.5
300.0	•	-45.7		l		6.63
250.0	·	-55-1				31.7
200.0	•	-52.9				1.1.
175.0	•	-54.0				77.5
150.0	_	-56.7				

** AF LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE "AS USED IN THE INTERPOLATION.

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	SIATION ALTITUDE 3989.00 FEET MSL	15 PEB. BU	ž
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SIGNIFICANT LEVEL UATA	*** 00.700 b + 0	WHITE SAILS	1
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CEODETIC COORDINALS 32.40043 LAT 1-EC 106.57033 LOA 1-EG

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TABLE 9

PRESSURE	GEO	TEAP	TENPERATURE	R.L.HUM.
MILLIBAKS	S MSL FEET	DEGREES	CENT 16KADL	PERCEN
880.3	3989.0	6.3	1.0	0.60
871.7	4252.4	3.9	-1.7	0.70
858·5	4664.0	9.5	•	53.0
850.0	4034.7	4.7	?:	9.3.U
808.8	281	6.8	1.1	0.70
150.6	8277.8	6•	.0	0.66
700.0	10113.1	-2.3	14.4	0.66
658·0	11723.1	9.4-	-7.0	78.0
605.0	15473.3	-10.7	-10.0	•
600.7	14054.7	0.X-		0.07
567.8	14600,5	-8.0		•
515.4	18058.8	-16.8	•	47.0
50U • 0	18662.3	-18.2	-25.0	55.0
473.0	20018.3	-21.2		46.0
450.2	21210.6		-27.3	0.9/
435.2	22021.7		0.83-	74.0
450.4	22840.3	•	-35.7	90.0
400.0	24024.3	-28.5	-30.2	47.0
344.6	27474.3	-37.7	•	0.03
312.6	29661.0	-43.2	1.54	0.84
300.0	30564.9	145.4		
2/6.6	52330.1	•		
250.0	34501.2			
556·B	36561.7	ċ		
216.6	57531.9	:		
200.0	39232.0	-50.1		
187.8	40586.6	•		
•	43279.0	•		
150.0	45370.2	ŝ		
:	47204.7	ŝ		
126.2	48961.4	-61.0		

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UPPER AIR DATA	1600700110	WHITE SANUS	
	SYBY. DO PERT MSL	PER BE COURTERS MAI	•
	ITION ALTITUDE	₩ 100 mg	1 15 10 10 10 1

1900 6 7 7 7	The state of the s	STANTINGOOD OFF AND P.
D PEET MOE	ナノコロンココナナコ	
TACS MS.I	EMITE SANLS	32.40043 LAT LL
		106.37033 LO.1 DE
	TABLE 10	

MILLINAN DEMENS NOT TABLE 10 MAITE SANUS	ELATION A	or within	SUMULAN DE	15 T 144	-	OFFER AIR CALA	4 47		GEODE TI	SEODETIC COORDINATES
TABLE 10	3 FEB. 8		I	HS.		WHITE SAN	23		32.	32.40043 LAT LLG
## SAUNE TEMPERATURE RECENT GM/CUHIL SOUND DIRE MILLIDANS DEGREES CENTIGRADE ## FECH	Kerster	٠ <u>٩</u>			-	TABLE 10			•901	106.3/033 LON DEG
MILLIDAMS DEGREES CENTIGRADE MILLIDAMS DEGREES CENTIGRADE MAGNETO MAGNET	EUME INIC		74.8	PEKATURE		DENSITY	SPELD OF	WINU DATA	V11	INULX
### ### ### ### ### ### ### ### ### ##	LITUME X FEET	HILLIUAKS	4		PERCENT	GM/CUHIC MLTER	SOUND ANOTS	DIRECTIO 1 DEGRELS (TN)	SPEED KNOTS	OF REF RACTION
### 100	983		1	6.6	0.04		6,2,3	•	•	1.000272
### ### ### ### ### ### ### ### ### ##					0.4	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 6 3 3	2.58.4	•	1.000276
Section Sect			7.0		, A.		0.20	2.58.3		1.000267
Section Sect				n :	7.13	1046	9 1	2.546.6	7.	1.0002.2
Mar.	0.0000		•	7.		0.C.O.	0.400	7 F		
bount of 17.2 7.2 7.2 70.5 64.1 10.2 50.5.3 10.5 50.00.0 00.2.2 10.2 70.5 99.1 10.2 50.5.3 10.5 50.00.0 00.2.2 10.2 70.5 99.1 10.0 00.0 10.0 00.0 10.0 00.0 10.0 00.0 10.0 00.0 10.0 00.0 10.0 00.0 10.0 00.0 10.0 00.0 10.0 00.0 10.0 00.0 10.0 00.0	15 cc.0		•	*	55.9	1026.9	D. #19	C-007	•	
### ### ### ### ### ### ### ### ### ##	6000		7.5	6•	1.49	1012.5	6:33.5	7.8.7	٠. ده	1.00002
7500.0 787.5 4.7 1.3 78.5 984.1 0.00.4 3.2 1.2 86.5 94.10 0.00.4 1.0 0.00.4 1.2 1.2 86.5 94.0 94.0 0.00.9 0.00.0 7.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1	6500.0		?• 9	1.2	70.5	4.766	652.1	259.8	¥•.	
Figure F	7000.0		•	1.3	78.5	1.486		202.0	11.3	→
bguuc	7500.0		•	1.2	86.5	9/1/6		203.0	13.9	1.000249
### 99.0	8000.0			6	94.5	958•1		201.9	17.1	_
99.00 (18.5)455 99.0 99.0 915.3 643.4 10.00.0 (18.5)422222 99.0 99.0 915.3 643.4 10.00.0 65.54222222222	4500.0			3	0.66	4.240	-	200.5	21.0	1.000242
15.00.0 (15.5) -1.2 -1.4 99.0 915.3 643.4 15.00.0 65.4 -2.1 -2.2 99.0 99.0 901.0 642.3 641.3 15.00.0 65.7 -2.2 99.0 99.0 901.0 642.3 15.00.0 65.7 -2.2 99.0 99.0 99.0 641.3 642.3 15.00.0 65.7 -2.2 -2.2 99.0 99.0 99.0 641.3 15.00.0 65.7 -2.2 -2.2 99.0 99.0 99.0 641.3 642.3 15.00.0 65.0 -2.2 -2.2 99.0 99.0 99.0 642.2 641.3 15.00.0 65.0 -2.2 -2.2 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0	20000		***	, (°	0.66	929.7	4.400	259.3	24.4	1.0002.57
10.00.0 103.0 -2.1 -2.2 99.0 99.0 99.0 10.0 642.3 10.00.0 10.0	C. 10.		7.1	1	0.66	915.3	4	253.0	27.3	-
15000.0 089.1 -2.9 -3.7 94.0 86.2 040.4 15.0 050.0 050.0 -4.3 -7.1 80.9 87.4 86.2 040.4 15.0 050.0 050.0 -5.8 87.4 86.2 040.4 85.0 050.0 050.0 -5.8 87.4 86.2 040.4 85.0 050.0 050.0 -5.8 87.4 86.2 040.4 85.0 050.0 050.0 -5.8 87.4 86.2 040.4 85.0 050.0 050.0 -5.8 87.4 86.5 050.0 050.0 050.0 -5.8 87.4 86.5 85.0 050.0 050.0 050.0 -5.8 87.4 86.5 85.0 050.0 050.0 050.0 -5.8 87.4 76.2 050.0 050.0 050.0 -5.8 87.4 76.2 050.0 050.0 050.0 -5.8 87.4 76.0 050.0 050.0 050.0 -5.8 87.4 76.0 050.0 050.0 050.0 -5.8 87.4 76.0 050	10000			0.00	0.00	0.000	5.00	259.1	28°	-
1000.0 053.0 -3.6 -7.1 80.9 853.0 053.0 053.0 -7.1 80.9 853.0 053.0 -5.4 -7.1 80.9 853.0 053.0 053.0 -5.4 -7.2 80.7 845.2 053.0 053.0 053.0 -5.4 -7.2 80.5 853.0 053.0 053.0 053.0 -5.4 -7.2 80.5 853.0 053.			•	7.7	0.40	0 TO TO		3.50	28.5	-
150000 053.4 -5.4 -7.1 00.9 05.5 05.6 05.0 05.0 05.0 05.0 05.0 05.0					27.0	0.000	1	7.7.7	26.1	• -
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250000 02500 -802 -905 9504 81002 6529 4100 01309 -9000 -900 -1002 -1002 9504 81002 6529 4100 01309 -9000 -1100 -1100 7807 79201 65309 41000 01309 -9000 -1100 -2105 3505 7007 6527 6529 65000 01309 -1100 -2200 3902 74001 65300 65000 01309 -1100 -2200 3902 74001 65300 65000 01309 -1100 -2200 4101 7201 6200 6000 01309 -1100 -1200 -1200 4100 7000 6000 10000 01309 -1200 -1200 -1200 4000 6000 1000 6000 1000 6000 1000 6					4.50	2 4 4 4		2600	19.0	• •
3500.00 013.9 -9.6 -10.2 95.4 610.2 632.9 4500.0 036.0 -8.0 -11.8 41.1 7/4.9 634.0 5500.0 0378.7 -9.0 -21.5 35.5 762.7 633.9 5500.0 0378.7 -9.0 -22.6 39.2 760.1 630.3 5500.0 036.2 -11.5 -22.6 39.2 760.1 630.3 5500.0 036.2 -12.8 -23.9 43.0 710.3 6.1.9 5500.0 036.2 -15.4 -23.9 46.8 647.1 6.2.7 5500.0 036.3 -17.8 -25.3 46.8 647.1 6.2.7 5500.0 45.4 -20.1 -25.3 46.8 664.7 619.9 6500.0 473.4 -21.2 -29.6 46.1 654.1 619.9 6500.0 444.8 -24.1 -27.5 70.7 654.0 615.4 1500.0 444.8 -24.1 -27.5 70.7 654.0 615.4 1500.0 444.8 -24.1 -27.5 70.7 654.0 615.4 1500.0 444.8 -24.1 -27.5 70.7 652.0 614.0 1500.0 444.8 -24.1 -27.5 70.7 652.0 614.0 1500.0 444.8 -24.1 -27.5 70.7 652.0 614.0 1500.0 444.8 -27.5 70.7 652.0 614.0 1500.0 444.8 -27.5 70.7 652.0 614.0 1500.0 444.8 -27.5 70.7 652.0 614.0 1500.0 444.8 -27.5 70.7 652.0 614.0 1500.0 444.8 -27.5 70.7 652.0 614.0 1500.0 444.8 -27.5 70.7 652.0 614.0 1500.0 444.8 -27.5 70.7 652.0 614.0 1500.0 444.8 -27.5 70.7 652.0 617.0 1500.0 444.8 -27.5 70.7 652.0 617.0 61					5.00	82.00		202.5	18.8	•
0 090.0 -8.6 -11.8 78.7 792.1 553.9 776.1 576.1	35.00.		4.5	-10.2	4.06	810.2		203.0	20+3	1.000196
590.5 -8.0 -18.9 41.1 7/4.9 654.0 507.5 -10.4 -22.0 37.4 762.7 653.4 506.6 -11.5 -22.0 37.4 75.3 651.9 506.6 -12.6 39.2 740.1 650.3 506.6 -12.6 39.2 740.1 650.3 506.7 -12.6 -22.6 44.0 770.1 62.6 507.8 -15.4 -25.3 46.8 647.1 62.7 507.9 -15.4 -25.3 46.8 647.1 62.7 507.9 -17.4 -25.3 46.8 675.4 62.7 508.1 -26.1 52.8 664.7 619.9 675.4 62.1 608.4 -27.5 49.4 65.4 619.9 617.0 617.0 608.4 -27.5 70.7 654.0 617.0 617.4 617.4 608.4 -27.5 70.7 654.0 617.0 617.0 617.0 617.0 617.0 617.0 617.0 617.0 617.0 61	4000		-8-6	-11.8	78.7	792.1		205.3	22.9	-
578.7 -9.0 -21.5 35.5 762.7 633.4 506.2 -11.5 -22.6 39.2 740.1 630.3 506.2 -11.5 -22.6 39.2 740.1 630.3 506.2 -12.6 -23.2 41.1 729.1 62.6.3 506.2 -14.1 -23.9 44.9 707.6 62.7.2 506.3 -15.4 -25.3 46.8 647.1 62.7.2 507.4 -25.3 46.8 647.1 62.7.2 607.5 -27.3 46.8 675.4 62.7 607.5 -27.3 49.4 664.1 619.9 607.5 -27.5 46.1 654.1 619.9 607.5 -27.5 46.1 654.1 617.0 607.6 -27.5 70.7 654.0 617.0 607.6 -27.5 70.7 654.0 617.0 607.6 -27.5 70.7 654.0 617.0 607.7 -27.5 70.7 654.0 617.0 607.7 -27.5	41.00		-8-0	-18.3	41.1	5-1/2		200.5	25.4	-
367.5 -10.5 -22.0 37.4 751.3 651.9 356.2 -11.5 -22.6 39.2 740.1 650.3 34.5 -12.6 -23.9 41.1 729.1 6.6.6 55.4 -13.6 -23.9 41.1 729.1 6.6.6 55.4 -13.6 -23.9 44.9 707.6 6.5.7 50.5 -15.6 -25.3 46.8 647.1 0.24.1 50.5 -15.7 -25.3 66.5 6.5.7 60.5 -17.8 -25.8 66.5 6.5.7 70.4 -27.9 49.4 66.4 6.1.3 70.4 -27.9 49.4 65.4 10.9 70.4 -27.9 49.4 65.4 10.9 70.4 -27.9 46.1 654.1 10.9 70.7 -25.9 -27.5 70.7 654.0 11.2 70.4 -27.5 70.7 654.0 11.2 11.2 70.7 -25.0 -27.5 70.7 654.0 11.2 70.	5000.			-21.5	35.5	762.7		201.4	25.7	1.000176
0 556.2 -11.5 -22.6 39.2 740.1 630.3 0 554.5 -12.8 -23.2 41.1 729.1 6.46.4 0 554.5 -14.1 -23.9 43.0 712.3 6.2.7 0 55.4 -15.4 -24.6 44.9 707.6 6.5.7 0 52.4 -15.4 -25.3 46.8 647.1 0.24.1 0 90.5 -17.8 -25.3 46.8 647.1 0.24.1 0 49.4 -26.1 52.8 675.4 0.2.7 0 45.4 -27.9 49.4 654.1 0.19.9 0 45.4 -27.9 49.4 654.1 0.13.6 0 45.4 -27.9 49.4 654.1 0.17.0 0 45.4 -27.5 70.7 654.0 0.14.6 0 45.4 -27.5 70.7 654.0 0.14.2 0 45.4 -27.5 70.7 654.0 0.14.2 0 45.0 -25.4 -27.5 70.7 6.11.1	55,00.			-22.0	37.4	751.3				1.000173
04552 -12.8 -23.2 41.1 729.1 628.4 053453 -14.1 -23.9 43.0 713.3 627.2 05254 -15.4 -24.6 44.9 707.6 625.7 05156 -16.7 -25.3 46.8 647.1 0.4.1 05156 -17.8 -25.1 52.8 646.3 0.2.7 07057 -27.1 -27.9 49.4 664.7 619.9 0756 -27.5 46.1 654.1 0.13.9 0756 -25.5 -28.4 664.7 619.9 0756 -25.5 -28.4 65.4 0.15.4 0756 -25.8 -27.5 70.7 654.0 0.15.4 0756 -25.4 -27.5 70.7 654.0 0.14.2 0756 -25.4 -27.5 70.7 6.10.1 0.15.4 0757 -25.4 -27.5 70.7 0.14.2 0.14.2 0757 -25.4 -27.5 70.7 0.14.2 0.14.2 0757 -25.4 -27.5	10000			-22.6	39.2	740.1				1.00.170
534.5 -14.1 -23.9 43.0 712.3 6.7.2 525.9 -15.4 -24.6 44.9 707.6 6.5.7 503.9 -16.7 -25.1 52.8 647.1 0.4.1 503.0 -17.8 -25.1 52.8 646.3 0.2.7 503.1 -26.1 52.8 646.3 0.2.7 64.5 -27.9 49.4 654.1 0.19.9 75.4 -27.9 46.1 654.1 0.14.9 75.4 -27.9 46.1 64.0 0.14.9 75.4 -27.9 46.1 64.0 0.14.9 75.4 -27.9 77.1 6.17.0 0.14.2 75.0 -27.9 77.1 6.17.1 1.17.1 75.1 -27.9 77.1 1.17.1 1.17.1 77.7 -27.9 75.3 6.14.2 1.17.1 77.7 -27.9 77.1 1.17.1 1.17.1 77.7 -27.9 77.1 1.17.1 1.17.1 77.7 -27.9 77.1 1.17.1 <td< td=""><td>10500.0</td><td></td><td></td><td>-23.2</td><td>41.1</td><td>729.1</td><td></td><td></td><td></td><td>1.000108</td></td<>	10500.0			-23.2	41.1	729.1				1.000108
523.9 -15.4 -24.6 44.9 707.6 625.7 513.6 -16.7 -25.3 46.8 647.1 624.1 503.3 -17.8 -25.1 52.8 646.3 622.7 603.4 -26.1 52.8 675.4 621.3 75.4 -27.9 49.4 664.7 619.9 75.4 -27.9 46.1 654.1 619.9 75.4 -27.9 46.1 654.1 617.0 75.4 -27.9 75.3 624.1 617.0 75.4 -27.9 75.3 623.5 614.0 615.4 75.5 75.3 75.3 623.5 614.2 615.4 75.5 75.3 75.3 623.5 614.2 617.0 75.5 75.3 75.3 617.1 617.1 617.1 75.5 75.3 617.1 617.1 617.1 617.1 75.5 75.3 617.1 617.1 617.1 617.1	17000.0	-	-14.1	-23.9	43.0	718+3				1.000165
513.6 -16.7 -25.3 46.8 647.1 0.4.1 503.5 -17.8 -25.1 52.8 686.3 0.2.7 493.1 -18.9 -26.1 52.8 686.3 0.2.7 643.1 -20.1 -27.9 49.4 664.7 619.9 473.4 -21.2 -29.6 46.1 654.1 0.16.6 463.7 -22.5 -28.4 58.1 644.0 0.17.0 454.1 -23.8 -27.5 70.7 634.0 0.15.4 444.6 -24.7 -27.8 75.3 623.3 0.14.2 425.6 -25.4 -27.6 74.1 (17.1 1.12.4	17500.0			-24.6	C. 11	707.6				1.000162
503.5 -17.6 -25.1 52.8 686.3 6.2.7 493.1 -18.9 -26.1 52.8 675.4 621.3 483.1 -20.1 -27.9 49.4 664.7 619.9 45.4 -21.2 -29.6 46.1 654.1 619.9 46.3 -22.5 -28.4 58.1 644.0 617.0 46.4 -22.5 -28.4 58.1 644.0 617.0 46.4 -23.8 -27.5 70.7 634.0 617.0 45.5 -25.4 -27.5 75.3 625.3 614.2 45.5 -25.4 -27.6 74.1 617.1 617.1 64.7 -27.6 74.1 617.1 617.1 617.1				-25.3	46.8	647.1				1.000160
#83.1 -18.9 -26.1 52.8 675.4 b21.3 #83.1 -20.1 -27.9 49.4 664.7 619.9 473.4 -21.2 -29.6 46.1 654.1 b13.6 46.1 654.1 b13.6 46.1 654.1 b13.6 46.1 654.1 b13.6 654.1 b13.6 654.1 b13.6 654.1 b13.4 454.8 75.3 623.3 c14.2 425.4 -27.6 74.1 f12.1 i13.4 625.4 -20.4 58.1 612.1 i13.4 625.4 -20.4 -27.6 75.3 623.3 c14.2 612.4 612.		•600		-25.1	52.8	680.3				1.000157
#83.1 -20.1 -27.9 49.4 664.7 619.9 473.4 -21.2 -29.6 46.1 654.1 018.6 46.1 654.1 018.6 46.1 65.4 017.0 65.4 017.0 654.1 015.4 654.1 -23.8 -27.5 70.7 654.0 017.0 654.0 015.4 44.6 -27.8 75.3 623.3 014.2 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.4 625.6 74.1 612.1 012.1 012.4 625.6 74.1 612.1 012				-26.1	52.8	4.57.9				
#55.4 "21.2 "29.6 46.1 654.1 013.6 46.1 65.4 017.0 017.0 017.0 017.0 654.1 015.4 654.1 015.4 654.1 015.4 654.1 015.4 655.1 620.5 014.2 014.2 655.4 "25.4 "27.6 75.3 620.5 014.2 014.2 017.1 17.7 017.1 17.7 014.2 017.1 17.7	19500.0			-27.9	40.4	2.499				1.000152
#63.7 =22.5 =28.4 58.1 644.0 617.0 e54.1 =23.8 =27.5 70.7 654.0 015.4 e54.0 =27.5 70.7 654.0 015.4 e54.0 =27.8 75.3 623.5 014.2 e75.0 =25.4 =27.6 74.1 (17.1 11.2.4 e55.4 =25.4 e75.5 74.1 (17.1 11.2.4 e55.4 =25.4 e75.4 e77.1 11.2.4 e72.4 e72	20000-0	473	-21.2	-29.6	46.1	654 - 1				1.000149
#54-1 =23-8 =27-5 70-7 654-0 015-4 0 #44-6 =24-7 = 27-8 75-3 623-5 014-2 0 #45-6 =25-4 =27-6 74-1 612-1 113-4 0 #26-6 =25-4 =31-4 616-1 113-4	20500.8	463	-22.5	-28.4	58.1	0.449				1.000147
######################################	21000-0			-27.5	7.07	634 • 1)				1.000145
#35.00 =25.04 =27.06 70.1 (17.1 1.12.4) n #25.00 =25.00 =51.00 (17.1 1.12.4)	21500.0		-54.	-27.8	75.3	ೆ				1.00916.5
9 426.40 -705.00 -151.4 (M-1	24000-			-20.0	/4.1	11.7.13	_	7.000	0.05	1
7.11. 3	22'50U+P	-	2000-	-51.4	1.11.1	•		•	1.5-1	7.1 2.2
	C	11.	` .	٠.						

MACK		1110E 39	19.n0 PE	O PEET MSL		UPPER AIR LAT 04400:0074	UATA .44		of 00E 110	OLODETIC COORDINATES
MILLIDAMS DEGREES CENTIGRADE MILLID	13 PEB. BO ASCENSION N	ŧ	6 900 HKS	Ţ.		TABLE 10 (CONT)		106.3	32.40043 LAI PEO 106.37033 LON PEG
991.9 -27.6 -35.1 48.3 5/9.9 510.6 609.5 5/9.9 510.6 609.5 5/9.9 5			TEM A1K UEGREES	Ž O	REL.HUM. PERCENT	DENSITY GM/CUHIC METER	SPELD OF SOUND NICTS	WIND DATA DIRECTION S DEGREES(14) N	SPEED KNOTS	INDEX OF WEPRACTION
0.000.4 - 28.5 - 35.2 47.1 569.9 609.5 391.4 - 37.3 47.4 550.8 607.2 609.5 391.4 - 37.3 47.4 550.8 607.2 609.5 391.4 - 37.3 47.4 550.8 607.2 609.5 391.4 - 37.3 47.4 550.8 607.2 609.5 391.4 - 37.3 47.4 550.8 607.2 609.5 391.4 - 37.3 47.4 550.0 609.5 391.4 - 37.4 - 41.9 49.5 517.6 591.4 607.7 391.4 - 37.4 - 41.9 49.5 517.6 591.4 607.7 391.4 - 41.0 521.4 - 41.0 51.4	0.00	*00*	-27.6	-35.1	48.3	579.9		255.9	33.1	1.000151
991.9 -29.6 -37.3 47.4 560.8 607.8 607.8 391.9 391.9 -33.1 -39.0 47.8 591.8 600.2 373.4 47.8 591.8 600.2 373.4 47.8 591.8 600.2 373.4 -39.0 49.2 59.1 59.1 60.2 591.8	0.00	**00*	-28.5	-36.2	47.1	6+699		255.7	33.H	1.0001.9
983.5 - 31.1 - 37.5 47.8 551.8 600.2 957.5 - 32.4 - 40.9 49.2 54.5 601.1 959.4 - 35.1 - 41.9 49.2 551.4 601.1 959.4 - 35.1 - 41.9 49.2 551.4 601.1 959.4 - 35.1 - 41.9 49.2 551.4 601.1 959.4 - 40.4 - 40.9 601.1 959.4 - 40.9 - 40.9 601.1 959.4 - 40.9 - 40.9 601.1 959.4 - 40.9 - 40.9 601.1 959.4 - 40.9 - 40.9 601.1 959.4 - 40.9 - 40.9 601.1 959.4 - 40.9 - 40.9 601.1 959.4 - 40.9 601.1 959.4 - 40.9 601.1 959.4 - 40.9 601.1 959.4 - 40.9 601.1 959.8 - 40.9 601.1 959.9 - 40.9 601.1 959.9 - 40.9 601.1 959.9 - 40.9 601.1 959.9 - 40.9 601.1 959.9 - 40.9 601.1 959.9 - 40.9 601.1 959.9 - 40.9 601.1 959.9 - 40.9 601.1 959.9 - 40.9 601.1 959.9 - 40.9 601.1 959.9 - 40.9 601.1 959.9 - 50.1 959.	0.00	391.9	-29.8	-57.3	47.4	560.8		7.55.7	34.6	1.000120
35.4 - 35.4 - 40.6 48.5 54.4 · uu(2.8 1.95.2 - 35.4 · uu(2.8 1.95.2	_	383.5	-31.1	-3A.5	47.8	551.8	Ī	254.5	35.6	1.000124
256.4 -33.8 -40.6 48.7 554.4 0U2.8 554.4 55.1 141.9 49.2 555.4 49.2 55.2 49.5 551.4 49.2 55.3 4 49.2 55.3 4 49.2 55.3 4 60.1 1 55.3 4 49.2 55.3 4 60.1 1 55	•	375.3	-32.4	-30.0	48.5	54.0.0		0.502	36.9	1.0001/2
351.4 35.1 49.2 55.9 601.1 35.1 49.2 525.9 601.1 35.1 49.2 525.7 525.9 601.1 35.1 49.2 525.7 525.9 601.1 525.7 525.9 525.9 601.1 525.7 525.8 525	0.00	561.5	-33.B	8.04-	48.7	534.4		5-102	37.8	1.0001:0
351.4	0.00	359.4	-35.1	-41.9	49.2	6.526		249.5	38.4	1.000118
34.637.8 -44.3 50.0 50.9.4 597.7 35.6 -39.0 -45.5 49.5 49.5 50.0 50.9.1 50.0 50.9.1 50.0 50.9.1 50.0 50.9.1 50.0 50.9.1 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50		7210	-36.4	-43.1	4.9.6	517.6				1.000115
330-6 -39-0 -45-5 49-5 500-8 590-1 229-2 40-1 40-1 40-1 59-2 50-2 50-2 50-2 50-2 50-2 50-2 50-2 50	0.00	7.440	-37.8	£	20.0	50%	5.7.5			1.000114
221.9	0.00	330.6	-39.0	-45.5	49.5	5005				1.000112
221.4	0.00	359.5	-40.3	-46.s	40.1	†•?6 †				1.000110
294.4 -44.6 -49.3 48.1 476.1 591.3 0 290.9 -44.0 -54.4 30.1** 468.0 569.7 0 290.9 -44.0 -54.4 30.1** 468.0 569.7 0 280.9 -48.6 -51.0 3.6** 440.0 565.1 0 280.9 -48.6 -51.0 440.0 565.1 0 280.9 -48.6 -51.0 440.0 565.1 0 280.9 -52.0 440.0 565.2 0 280.9 -52.0 440.0 565.2 0 280.9 -52.0 440.0 565.2 0 280.9 -52.0 440.0 565.2 0 280.9 -52.0 56.0 0 280.9 -52.0 56.0 0 280.9 -50.0 56.0 0 280.9 -50.0 56.0 0 280.9 -50.0 56.0 0 280.0 -50.0 56.	0.01	321.9	-41.5	-48.1	48.6	484.2				1.5001103
300.9	0.0	7.+10	-45.B	£ 600	48.1	470.1				1.00011,7
294.1 -45.2 -71.0 3.6** 460.0 566.1 280.9 -45.2 -71.0 3.6** 460.0 566.1 280.9 -47.6 56.4 47.6 56.5 1 4	c.0	207.6	2.22-	4.44-	30.1**	468.0				1.000105
294.1 -46.4 451.9 540.0 685.1 680.0	0.0	300.9	742.2	-71.0	3.644	460.0				1.000102
### #### ##### #######################	0.0	7-462	-46.4			451.9				1.000101
74.0		**·/87	147.6			0 • 1 1 1 1				1.000049
665.6 -50.6 411.3 5.01.2 411.3 5.01.2 5.0.6 5.0.6 41.3 5.0.0.0 5.0.0 5.0.0 5.0.0.3 5.0.0.0 5.0.0 5.0.0.3 5.0.0.0 5.0.0 5.0.0.3 5.0.0.0 5.0.0.3 5.0.0.0 5.0.0.3 5.0.0.0 5.0.0.3 5.0.0.0 5.0.0.3 5.0.0.0 5.0.0.3 5.0.0.0 5.0.0.3 5.0.0.0 5.0.0.3 5.0.0.0 5.0.0.0 5.0.0.3 5.0.0.0 5.0.0 5.0.0.0 5.0		72007				7 · 00 · 00 · 00 · 00 · 00 · 00 · 00 ·				7.0000.T
250.0 -52.0 346.8 5/7.7 4411.3 5/20.4 40.5 1 5/7.4 40.5 1 5/7.4 40.5 1 5/7.4 40.5 1 5/7.4 40.5 1 5/7.4 5/7.7 5/7.7 5/7.4 5/7.7 5/7.4 5/7.7 5/7.4 5/7.7		7647	-50.00 -50.00			4.00.2		7.440	30.5	1-000005
40504 -520 2500 -527 2500 -527 2500 -527 2500 -527 2500 -527 2500 -527 2600 -527 2600 -577 2600 -577 2600 -577 2600 -577 2600 -577 2600 -577 2600 -577 2600 -577 2600 -577 2700 -577 2600 -577 2700 -577	90	262.0	-51.5			41103	50°3	247.9	29°B	1.00.042
250.0 -52.7 345.1 578.4 37.7 345.1 578.4 57.0 238.9 -55.8 57.0 376.8 577.0 249.4 55.9 55.9 55.9 57.0 376.8 577.0 570.2 5		4555.9	-52.0			403.1	579.4	250.7	29.7	1.000050
0 236.9 -53.4 37.7 37.0 236.9 57.0 236.9 57.0 252.4 55.4 37.0 37.0 57.0 57.0 227.0 -54.4 35.1 57.0 37.0 227.0 -54.3 57.0 37.0 37.0 57.0 27.0 27.0 -54.3 57.0 37.0 37.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 5	0.0	4.052	-52.1			395.1		250.7	32.2	1.00000
0 222-4 55-8 3/6-8 5/7-0 3/7-0 2/2-4 5/7-0 3/7-0 2/2-1 5/4-4 5/7-0 3/7-0 5/4-4 5/7-0 3/7-0 5/4-4 5/7-0 3/7-0 3/7-0 3/7-0 5/4-3 5/4-3 5/7-0 3/7-0 3/7-0 5/7-0 5/4-3 5/7-0 3/7-0 5/7-0	6.9	7.557	-53.3			34c. 8		250.7	34.8	1.000006
252.9 -54.4 3/0.9 5/0.2 0 227.5 -54.4 3/0.9 5/0.2 0 227.5 -54.9 3/0.2 5/0.2 0 222.1 -54.9 5/0.2 0 222.1 -54.3 5/0.3 5/0.3 5/0.3 5/0.3 5/0.3 5/0.3 5/0.3 5/0.3 5/0.3 5/0.3 5/0.3 5/0.0 0 1/0.2 -50.4 5/0.2 5/0.2 5/0.2 5/0.2 5/0.2 5/0.2 5/0.2 5/0.2 5/0.3 5/0.0 0 1/0.0 -51.0 5/0.3 5/0.0 0 1/0.0 -51.0 5/0.3 5/0.0 0 1/0.0 -51.0 5/0.3 5/0.0 0 1/0.0 -51.0 5/0.3 5/0.0 0 1/0.0 -51.0 5/0.3 5/0.0 0 1/0.0 -52.0 5/0.0 5/	0:0	<38·5	-53·B			3/6.9		8•0¢2	36.2	1.00/106.4
	0.	232.9	124.4			3/0.4		250.0	37.5	1.000063
0 410.4 -54.7 354.2 5/5.4 310.4 354.2 5/5.4 310.4 25.4 355.5 5/7.6 355.5 5/7.6 355.5 5/7.6 355.5 5/7.6 355.5 5/7.6 350.4 250.4 550.4 350.4 350.5 5/7.6 350.4 550.4 550.2 5/0.2 5/0.2 5/0.2 5/0.2 5/0.5 5/0.6 5/0.0 5/0.6 5/0.0		427.5	-54.9			363.1		25.2·4	41.6	1.000001
0 410.4 -54.3 570.4 570.4 570.4 570.4 570.4 570.4		222.1	1.45-			354.2		254.6	46.1	1.000079
.0 211.9 55.1 .0 207.0 51.9 .0 207.0 51.9 .0 202.2 50.1 .0 197.0 50.1 .0 198.0 50.2 .0 188.0 50.2 .0 188.0 50.2 .0 189.0 51.0 .0 170.0 51.0 .0 170.0 51.0 .0 170.0 57.0		410.7	-54.3			345.3		253.4	55.9	1.00007
.0 207.u -51.9 .0 202.c -50.f .0 197.5 -50.1 .0 193.u -50.2 .0 184.c -50.e .0 184.c -50.e .0 180.u -51.0 .1 175.e -51.0 .1 175.e -51.0 .1 175.e -51.0 .1 176.e -51.0		211.9	-53.1			335.5		222.0	66.3	1.000075
0 402.4 -50.4 310.0 5c1.1 308.5 5c1.1 308.5 5c1.1 308.5 5c1.8 308.5 5c1.8 50.0 5c1.1 308.5 5c1.8 5c1.		207.0	-51.9			325.9		254.1	67.5	1.000073
.0 19/.5 -50.1 308.5 561.8 301.5 561.8 301.5 561.8 301.5 561.8 301.5 561.8 50.8 501.7 50.2 50.2 50.2 50.0 501.7 50.0 501.7 50.0 501.7 50.0 501.7 501.2 501.0 501.		707	-20.			310.0		551.5	68.3	1.00001
.0 193.4 -50.2 301.5 561.6 294.6 561.7 294.6 561.7 284.6 561.7 284.6 561.7 284.6 561.7 280.0 28		C•/61	-50.1			300.5		243.0	69.6	1.00000
.0 188.0 -50.2 294.0 5d1.7 251.0 188.2 -50.0 280.3 5c1.2 251.0 180.0 -51.0 251.0 275.0 275.0 275.0 275.0 275.0 275.0 275.0 276.3 5c0.0 275.0 579.0 277.0 579.0 252.0 25	_	193.0	-50.2			301.5		249.0	71.2	1.000067
.0 180.0 -50.6 285.3 .0 180.0 -51.0 282.3 .0 173.6 -51.5 .0 171.7 -52.0 2/0.5	_	184.0	-50.2			294.6	501.7	•	70.4	1.000000
•0 180.0 -51.0 275.5 •0 173.6 -51.3 276.3 •r 171.7 -52.0 264.8 •0 467.8 -52.4 264.8	_	7.481	-50.6			2HC - 3				1.000064
0 173.6 -51.5 2/6.3 F 171.7 -52.0 2/0.5 0 167.8 -52.4 264.8	•	180.6	-51.0			282.3				1.00/106.5
n 171.7 -52.0 2/0.5	0.5	173.8	-51.5			2/0.3				1.0000
0 167.8 -52.4 254.b	 	171./	-52·U			2/6.5				1.060000
	0.5	٠	N			264.8				1.000059

. AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE THILL POLATION.

UPPER AIR LAIA	0440020074	WHITE SANUS	
	ヹ		
	N ALTITUDE 3989.00 FEET MSL	LSM SMH DOGD	Į
	N ALTITUDE	. 60	. SE . SE

S FEB. B	13 FEB. 60	89.00 FEET MSL 8900 FMS MSI		0448020074 WHITE SANDS	\$ 5 2 5		GEODET	GEODETIC COOKDIIMATES 32.40043 LAT LEG
SCENSION OF	•		•	TABLE 10 (CONT)	(CONT)		106.	.37033 LON LEG
GEUMETHIC ALITUDE MSL FEET		PHESSURE TEMPERATURE AIK DEWPOINT MILLIBAMS DEGREES CENTIGRADE		REL.HUM. DENSITY SPEED OF PERCENT GM/CUMIC SOUND METER NNOTS	SPEED OF SOUND NINCTS	WIND DATA DIRECTION SI	NTA SPEED KNOTS	INDEX OF REPHACTION
4.5500.0	163.9	-53.0		259.4				1.00004.8
44000.0	160.0	#53.c		254 • 1	577.0			1.000057
44500.0		-54.5		249.0				1.000055
45000.0		-55.3		244.0				1.900054
45500.0		-55.9		259+1				1.000653
40000		-56.4		233.9				1.000012
46500.0		-56. ₩		220.49			•	1.00001
47000.0		-57.3		223.9				1.000050
4/500.0		-58.1		219.4				1.00019
44000.0	132.2	-59.1		215.2				1.000043
44500.0	129.1	-60.1		211.0				1.0000.1

XX WIND DATA INVALID DUE TO MISSING RAW AZIMUTH MID ELEVATION ANDLES.

FET MSL	IS MSI
3989.00 FEET MSE	USUO HKS MSI
ALT I TUDE	13 FEB. 60 ASCENSION NO. /*
SIATION	13 FEB. ASCENSIC

LLVELS	074	SON	
	070	SAN	=
MANDATORY	2007004+0	WHITE	TABLE

JEODETIC COCRDINATES 32.40043 LAT LEG 106.37033 LON DEG

PRESSURE GEOPOTENTIAL	.UPOTENTIAL		TEMPERATURE	REL - HU.	OPITM	٨ ٦
MILLIBARS	FEET	DEGREES	CENTIGRADE	PLKCE W	DEGREES (TN)	N) KNOTS
850·0	4931.	8.7	5	53.	230.3	1.3
0.008	6571.	5.9	1.2	72.	260.0	7.0
750.0	8272.	6.		.66	260.4	19.4
700.0	10103.	-2.3	-2.4	.65	259.3	20.5
650.0	12026.	-5.5	-8.5	,1°	259.0	21.5
600.0	14068.	-8.0	-12·C	.d.	265.5	23.4
550.0	16273.	-12.3	-23.n	*O*	0.6666	9999 • UXX
200.0	18636.	-16.2	-25∙1	ç,	0.6666	9999.0XX
450.0	-1149	-24.3	-27.3	70.	0.6666	XX0.22.08
400.0	23995.	-28.5	-36∙2	47.	755.	35.8
350.0	2/072.	-36.7	4.54	0,7	0.6676	9999. UXX
300.0	3 0509.	4.04-			0.6666	9999.0XX
250.0	54427.	-52.7			250.7	34.2
200-0	59139.	-50.1			250•/	6.07
175.0	41905.	-51.6			9494.0	AXO . C. TOG
150.0	45249.	-55.8			0.6666	9999.0XX

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

XX WIND DAIA INVALLD DIE TO MISSING RAW AZIMUTH AND ELEVATION ARGLES.

L UATA			
L L	30008		2
NIFICANT LEVEL	0440130008	LC-37	TABLE 1

JEODETIC COORDINATES 32-41141 LAT DEG 106-30852 LON DEG

PRESSURE	GEO ALT	TEMPER	TEMPERATURE	REL.HUM.
MILL IBARS		ES	CENT 16hADE	
878.2	4047.3	8.3	÷ .	54.0
826.2	4733.0	6.1	-3.5	50.0
850.0	4929.1	7.4	-2.3	•
835.8	5.384.6	7.2	-2.5	50.0
755.8	8081.6	2.1	3.	81.0
721.2	9100.8	F:-	-1.0	•
•	9450.4		-2.5	•
	10102.8	-1.0	-5.c	0.07
6/1.2	11199.3	0.4-	-4.3	•
623.6		8•6−	-10.7	•
617.4	13341.4	-10.1	2.41-	71.0
8.809		-7.2	_	32.0
_	14072.0	-7.1	-22.5	•
0.00	18645.6	-18.5	-	0.64
	19785.0	-21.2	-25.0	•
÷	20568.2	-23.1	-26.1	26.0
*	21772.5	-25.0	-30.1	62.0
Ŋ	22167.5	-25.2	-32.1	52.0
	24001.5	-29.6	-36.5	51.0
_	29769.7	さ・ココー	-50.1	6
20000	30523.4	-46.3		
	32A34.6	-51.4		
	1.5	-53.0		
237.0	*	-54.8		
	58433.2	-53.4		
200.0	655	-51.0		
184.2	40932.8	+50.6		
120.0	4528a.3	-56.4		

SIATION ALTITUDE 4047.27 PEET MSL 13 Peb. 80 1000 MMS MSI ASCERSTON NO. 8

UPPLR AIK LATA 0440180008 LC-37

GEODETIC COORDINATES 32-41141 LAT DEG 106-30852 LON DEG

					TABLE 13				
SEUME INIC	PRESSURE	FEMPE	SEMPERATURE	REL.HUM.	DENSITY	SPEED OF	WIND DATA	IA	INDEX
ALT 1TUDE	 	AIK	DEWPOI;1T	PERCENT	د	SOUND	DIREC1101	SPEED	5
MSL FEE!	MILLIBAKS	Ş	CENTIGRADE	 - 	METER	KNOTS	DEGREES (IN)	KNOTS	KEFRACT 10n
404/•3	978.2	8.5	†•	54.0	1084.2	4.460	3.	•	1.009270
4500.0	963.6	6.B	-2.5	51.4	10/2.1		230.4	3.	1.000263
2000-0		7.4	-2.4	20.0	10501		256.5	6.	1.000259
5500.0	832.4	7.0	-2.4	51.3	1032.5		230.2	1.4	1.000255
6000.0	816.8	9•0	-1.3	57.1	1016.7	651.7	240.2	2.3	1.000253
0.0050	801·/	5.1	-1.4	62.8	1001-2	6:00.9	252.1	6.5	1.000250
7000.0	186.7	4.1	-1.1	68.6	985.9		253.0	10.8	1.000247
7500.0	172.4	3•5	6•-	74.5	970.9		253.5	15.2	1.000245
8000.0	158.1	2.3	€	80.1	950.2		** hC?	17.8	1.000242
85110.0	ア・ワセン	1.1	-1.1	85.1	2.246		255.3	20.1	1.000238
90006	130.0	1	-1.5	0.06	950.6	Ī	250.4	55.6	1.000235
9500.0	/10.2	`:	-2.5	87.6	913.4	643.9	25/01	24.3	1.000229
10000.0	/05./	-1.0	-5.2	73.0	897.4		4.762	25.5	1.0002:1
10500.0	\$.V80	-2.1	-6.7	7.07	884.2		257.7	24·H	1.000216
11000.0	670.3	-3.5	-7.B	71.6	872.0		0.pc?	23.8	1.000212
11500.0	663.4	か・サー	-8.6	75.3	90 · 198	638.6	257.9	22.6	1.000208
12000.0	650·6	-6.5	-9.5	80.9	843+3		25/00	21.3	1.000205
12500.0	D-86.0	-8-C	e. 6-	86.5	836.8		25d•U	21.8	1.000202
13000.0	625.	-9.5	-10.6	92.0	825.5		9.pc?	23.0	1.000199
13500.0	013.0	9.0°	-16.5	53.7	807.8		258.6	24.2	
14000.0	201.	-7.1	-55.5	28.8	787.4		254.5	25.5	1.0001:1
14200.0	7986	-8.2	-22.6	30.0	775.0		25/e8	25.7	1.000178
15000.A	2.970	5.6	-55.9	32.3	763.3		257.1	25.6	1.000175
15500.0	260.8	-10.7	-23.2	34.6	751.8		250.5	26.2	1.000173
10000	255.b	-11.9	-23.6	36.9	740.4	6.6.79	255.9	56•6	1.000170
16500.0	0 to to 1	-13.2	-24.1	39.1	729.3		255.3	26.4	1.000167
1/000.0	755.9	114.4	-24.0	5.1 5	716.4		204.00	26.4	1.000105
1/200.0	523.4	-12•6	-25.1	43.7	707.6		7.562	56.6	1.000162
16000.0	513.0	-16.9	-25.7	46.0	697.1		251.2	27.2	
18500.0	202.9	-18.1	-26.3	43°4	686.6	6-25-3	247.0	28.3	
19000.0	492.8	-19.3	-25.9	55.8	0.9/9		245.5	•	
19500.0	487.0	-50.5	-25.3	65.5	665.4		244.1	31.7	1.000153
20000.0	473.0	-21./	-25.3	72.4	6.469	617.9	244.0	33.3	1.000151
J-0207	463.3	-22.9	-26.0	75.6	644·7	4.010	242.7	34.8	1.000144
21000.0	455.8	-23.B	-27.5	71.0	653.6		245.6	34.9	1.000145
21500.0	# • # # # # # # # # # # # # # # # # # #	-24.6	-50.5	65.2	622.5		8+C+2	35.0	1.000142
42t100.0	435.4	-25.1	-51.3	56.2	611-1		245.5	35.2	1.0001.9
425,00.0	#50•K	-26.0	-55.0	51.8	600.5	612.0	24245	35.7	1.000136
25nt00.p	•	~	1.46-	51.5	5.765	611.1	242·G	36.7	1.000134
23500.n	40B.6	-58·4	-35.3	51.3	581.4	6 (· 9 · c	54p.4	37.3	1.000131

STATION ALTITUDE #047.27 FEET MSL 13 Peb: 60 1000 HKS MSI ASCENSION NO. 8

UPPER AIR LATA U440150008 LC-37

JEODETIC COORDINATES 32.41141 LAT DEG 106.30852 LON DEG

TABLE 13 (CONT)

PKESSORE	TER	TEMPERATURE	REL.HUM.		SPEED OF	WIND DATA	AL.	INUEX
MILLIBAKS	AIR DEGREES	UEWPOINT CENTIGRADE	PERCENT	GM/CUBIC METER	SOUND NNoTS	DIRECTION DEGREES(TN)	SPEEU KNOTS	OF KEFRACTION
400.0	-29.6	-36.5	51.0	5/2.0	608.1	240.2	37.6	1.600129
391.3	0	-37.7	50.8	562.6	600.4	249.0	38.1	1.000127
382.8	-32.2	-38.9	50.7	553.3	9.410	249.5	38.6	1.000125
374.5	-33.b	-40.5	50.5	544.2	603.2	C+8+2	58.2	1.000122
366.4	-34.1	-41.4	50.3	555.3	0,1,0	247.5	37.0	1.000120
358.4	-36.0	9.24-	50.1	520.5	6,00.0	240.7	57.3	1.000118
350.6	-37.5	-43.9	50.0	517.9	5.48.3	240.0	36.9	1.000110
343.0	-38.6	-45.1	H-64	500.	500.1	245.6	37.2	1.000114
335.b	4.68-	-46.3	49.6	501.1	595.0	242.2	37.4	1.000112
328.3	-41.2	-47.6	49.4	492.9	5.73.4	243.9	37.5	1.000110
321.2	-42.4	X • E 3-1	49.3	484.9	5-1.8	242.7	37.6	1.000109
314.2	-43.1	-50.0	49.1	•	590.1	241.9	37.9	1.000107
307.2	-45.0	-54·4	33.6**	469.1	5.18.5	241.3	37.7	1.000105
5000	-46.2	-17.5	1.54#	461.1	5000	241.5	36.7	1.000103
293.5	4-41-4	-		452.8	585.4	540.5	36.1	1.000101
280.8	-48·5			9.555	5.4.0	240.4	35.8	1.000099
7007	9.65-			430.0	502.5	239.4	35.4	1.0001.7
273.8	-20.1			423.1	501.1	238.2	34.9	1.000035
267.5	-51.6			420.0	579.9	23.9.4	33.8	1.000004
261.5	-52.1			411.7	579.3	241.0	32.4	1.000092
255.3				403.1	578.6	242.0	33.9	1.ngener
て・たちと	•			344.7	577.9	す・クサン	35.8	1.00000.3
243.5	-53.9			386.9	570.9	249.1	39.5	1.00000
437.B	1.45-			3/9.2	575.8	248•4	42.0	1.000004
232.3	-54.6			3/0.2	575.9	541.9	46.4	1.0000112
450.B	-54.0			361.1	5/0.3	247.5	50.1	1.00006.0
221.5	-54.1			352+3	570.0	9.642	24.7	1.000078
410.3	-53.4			ひゅう・フ	570.9	251.4	59.1	1.000077
211.3	-53.6			335.3	577.2	252.1	62.7	1.000075
20004	-53.2			326.8	577.8	252.1	66.5	1.000073
40102	-51.5			316.9	579.9	251.5	70.6	1.000071
196.9	-50.9			300.7	5 ₆ 0.8	251.5	74.1	1.000009
192.4	-50·B			301.4	500.9	8×1¢2	77.3	1.000067
188.0	-50.7			294.3	501.0	252.2	78.8	1.000006
183.0	-50.7			287.5	501.1	252.5	79.6	1.000004
179.3	-51.4			281.7	5000	252.9	79.5	1.000003
72.571	-52.0			27,2.9	579.3	253.3	79.5	1.000001
171.1	-52.1			277.3	570.4	253.tb	78.4	1.00000.0
10/91	-53.4			264 • B	577.6	553.5	٠	1.000059
163.2	-54.0			259.4	5/0.7	253.0	78.9	1 • 000053

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTLRPOLATION.

6EODETIC COORDINALES 32.41141 LAT (AEG 106.30852 LOW DEG	WIND DAJA INDEX DIRECTION SPEED OF DEGREES(TW) KHOTS REPRACTION	1.000057 1.000055 1.000054
UPPER AIN DATA O4401JUNGJ LC-37 TABLE 13 (CONT)	PRESSUME TEMPERATURE REL.HUM. DENSITY SPEED OF AIN DEWPOLAT PERCENT GM/CUHIC SOUND DIF	254.2 575.8 249.0 574.9 243.9 574.1
SIATION ALTITUDE 4047.27 FELI MSL 13 Peb. 60 1000 HKS MSI ASCEISION NO. 8	GEUMLIKIC PRESSUME TEMPEKATURE ALIITUDE AIK UEWPOINT MSL FEEI MILLIBAMS UEGREES CENTIGRADI	\$4000.0 159.4 -54.7 \$4500.0 155.7 -55.4

TABLE 14

PRESSURE	PRESSURE GEOPOTENTIAL		TEMPERA LUKE	REL . HU.4.	<u>0</u> 011 ×	AIA
MILLIBARS	FEET	AIR DEGREES	DE "POIT! CENI IGRADE	PENCENT	DIRECTION SPI DEGREES(TN) KNO	SPEED KNO1S
850.0		7.4	-2.3	.0.	230.2	6
800.0		0.	-1.4	, Ç. 4		7.0
750.0	8278	1.6	6	3.		19.1
7000		-1.0	-5.6	.02.		25.7
650.0		-6.5	-9.5	. H.	٠	21.2
0.009		-/-1	-22.5	. 92 . 82		25.7
550.0	•	-12.5	-23.9	38.		20.5
₽•005		-18.5	-26.5	.0.7		28.6
#20°	•	-24-1	-28.2	5,3		34.9
D•00+		-29.6	-36.5	51.		37.6
350.0		-37·4	C. 31-	.00		36.9
300.	•	-46.3				30.7
250.0	Ī	-53.0				35.5
200.0	•	-51.0				71.8
0.471	_	-52.0				79.2
150.0	_	-56.4				

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE HAS USED IN THE INTERPOLATION.